

VESELOV, Vladimir Aleksandrovich; PINAYEV, A.V., kand. tekhn. nauk,  
retsenzent; KUBAREV, V.I., inzh., red.; MODEL', B.I., tekhn.  
red.

[Equipment for manufacturing articles of plastics; thermal  
analysis] Oborudovanie dlja pererabotki plasticheskikh mass v  
izdeliiia; teplovye raschety. Moskva, Gos. nauchno-tekhn. izd-  
vo mashinostroit. lit-ry, 1961. 211 p. (MIRA 14:9)  
(Plastics—Molding)

LESHCHENKO, Vasiliy Germanovich; MIL'MAN, Yakov Vladimirovich;  
KUKHNOV, D.A., kand. tekhn. nauk, retsenzent; KUBAREV,  
V.I.a. inzh., red.; TAIROVA, A.L., red. izd-va; GORDEYEV,  
L.P., tekhn. red.

[Pneumatic systems for textile machinery] Pnevmaticheskie  
ustroistva tekstil'nykh mashin. Moskva, Mashgiz, 1962. 150 p.  
(MIRA 15:4)

(Textile machinery) (Pneumatic machinery)

VISHENKOV, S.A., kand. tekhn. nauk; KASPAROVA, Ye.V., inzh.; Prinima-  
li uchastiye: RYABCHENKOV, A.V., doktor khim. nauk, prof.;  
VELEMITSINA, V.I., inzh.; ZUSMANOVICH, G.G., kand. tekhn.  
nauk; TUTOV, I.Ye., kand. tekhn. nauk, retsenzent; KUBAREV,  
V.I., inzh., red.; TAIROVA, A.L., red. izd-va; MAKAROVA, L.A.,  
tekhn. red.; MEL'NICHENKO, F.P., tekhn. red.

[Increasing the reliability and durability of machine parts by  
chemically nickel coating] Povyshenie nadezhnosti i dolgovech-  
nosti detalei mashin khimicheskim nikelirovaniem. Moskva,  
Mashgiz, 1963. 205 p. (MIRA 16:6)  
(Protective coatings) (Nickel)

BEZHELUKOVA, Ye.F., inzh.; VOROB'YEV, Yu.A., kand. tekhn. nauk;  
VORONTSOV, L.N., kand. tekhn. nauk; ZYABREVA, N.N., kand.  
tekhn. nauk; LYANDON, Yu.N., kand. tekhn. nauk; TISHCHENKO,  
O.F., doktor tekhn. nauk, prof.; FEDOROV, A.D., kand. tekhn.  
nauk; YAKUSHEV, A.I., doktor tekhn. nauk, prof.; GOSTEV, V.I.,  
inzh., retsenzient; KUBAREV, V.I., inzh., red.; GARANKINA,  
S.P., red.izd-va; UVAROVA, A.F., tekhn. red.

[Handbook on allowances, fits, and linear measurements for  
inspectors at machinery plants] Spravochnik kontrolera ma-  
shinostroitel'nykh zavodov; po dopuskam, posadkam, i lineinym  
izmereniam. Pod red. A.I. Yakusheva. Leningrad, Mashgis,  
(MIRA 16:5)  
1963. 723 p.

(Production control) (Measuring instruments)  
(Interchangeable mechanisms)

ZAVGORODNIY, V.K.; OLENEV, B.A., inzh., retsenzent; KUBAREV, V.I.  
inzh., red.; TAIROVA, A.L., red.izd-va; SMIRNOVA, G.V.,  
tekhn. red.

[Modernization of equipment for the manufacture of plastic  
articles] Modernizatsiya oborudovaniia dlia izgotovleniya  
izdelii iz plastmass. Moskva, Mashgiz, 1963. 202 p.  
(MIRA 16:8)

(Plastics machinery)

MAKAROV, V.M., inzh.; BIKCHENTAYEV, T.A.; KADKEVICH, V.N.;  
SAMSONOVA, A.A.; ZAOSTROVSKIY, F.P., kand. tekhn.nauk,  
retsenzent; KUBAREV, V.I., inzh., red.; TAIROVA, A.L.,  
red.izd-va; MODEL', B.O., tekhn.red.; UVAROVA, A.F.,  
tekhn.red.

[Rubberized and bimetallic machines and devices for the  
chemical industry; design and manufacture] Gummirovan-  
nye i bimetallicheskie mashiny i apparaty khimicheskikh  
proizvodstv; konstruirovaniye i izgotovlenie. [By] V.M.  
Makarov i dr. Moskva, Mashgiz, 1963. 274 p.  
(MIRA 17:2)

PROSHKOV, A.F.; YAKUBOVSKIY, Yu.V., kand. fiz.-matem. nauk,  
retsentrant; KUBAREV, V.I., inzh., red.; TAIROVA, A.L.,  
red.izd-va; SHIROKOVA, G.V., tekhn. red.

[Study and design of winding mechanisms] Issledovanie i  
projektirovaniye metal'nykh mekhanizmov. Moskva, Mashgiz,  
1963. 314 p.  
(Spinning machinery)

DYATLOVA, V.N.; ZARETSKIY, Ye.N., kand. tekhn. nauk, retsenzent;  
KUBAREV, V.I., inzh., red.

[Corrosion resistance of metals and alloys; a handbook]  
Korrozionnaia stoikost' metallov i splavov; spravochnik.  
Izd.2., perer. i dop. Moskva, Izd-vo "Mashinostroenie,"  
1964. 350 p. (MIRA 17:5)

DYATLOVA, V.N.; ZARETSKIY, Ye.N., kand. tekhn. nauk, rotsenzenz;  
KUBAREV, V.I., inzh., red.

[Corrosion resistance of metals and alloys; a handbook]  
Korroziionnaia stoikost' metallov i splavov; spravochnik.  
Izd.2., perer. i dop. Moskva, Izd-vo "Mashinostroenie,"  
1964. 350 p. (MINA 17:6)

KRUGLYAK, I.N.; FIL'CHENKOV, N.A.; GOLOVCHENKO, K.S.; VEYNBERG, B.S.,  
kand. tekhn. nauk, retsentent; KUBAREV, V.I., inzh., red.

[Domestic compressor-type refrigerators] Domashnie kompres-  
sionnye kholodil'niki. Izd.2. Moskva, Izd-vo "Mashino-  
stroenie," 1964. 206 p. (MIRA 17:8)

VEYNBERG, B.S., kand. tekhn. nauk; LISICHKIN, V.Ye., kand.  
tekhn. nauk, retsenzent; KUBAREV, V.I., inzh., red.

[Piston compressors of refrigerating machines] Porshne-  
vye kompressory khodil'nykh mashin. Izd.2., perer. 1  
dop. Moskva, Mashinostroenie, 1965. 354 p.  
(MIRA 18:6)

8(2)  
AUTHORS:

Yanus, R. I., Kubarev, V. V., Vdovin, Yu. A., Kolpakov, I. P.

SOV/32-25-4-42/71

TITLE:

Automatic Apparatus for Sorting-out Plates of Electrotechnical Steel (Avtomatuskiy apparat dlya rassortirovki listov elektrotehnicheskoy stali)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 4, pp 480-481 (USSR)

ABSTRACT:

The comrades G. G. Lyustiberg, P. I. Suruda, and G. G. Anoshenkov also took part in this investigation. An automatic device (Fig 1) for sorting out electrotechnical steel plates (1500 x 750 mm) was developed on the basis of an improved scheme of the coercimeter according to R. I. Yanus et al (Ref 2). The plate to be controlled closes a magnetic circuit, is magnetized by a solenoid, and closes a circuit of a certain intensity in the demagnetizing winding. If the field in the latter is equal to the coercive force of the plate, this plate is demagnetized, but if the field is stronger or weaker, the plate remains magnetized or is overmagnetized in the opposite direction. The amount and the sign of the residual magnetization of the plate is determined by means of two MKV-2 rectifiers. A scheme of the whole device for steel-plate sorting (Fig 2) with a description

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SOV/32-25-4-42/7;

Automatic Apparatus for Sorting-out Plates of Electrotechnical Steel

of the operation is given. The efficiency of a model on the scale of 1:3 is indicated with 420 plates an hour. In the Verkh-Isetskiy metallurgicheskiy zavod (Verkh-Isettskiy Metallurgical Works), an industrial plant for plate sorting of this kind is designed for three types of steel with a capacity of 80 tons a day. There are 2 figures and 2 Soviet references.

ASSOCIATION: Ural'skiy institut chernykh metallov i Institut fiziki metallov Ural'skogo filiala Akademii nauk SSSR (Ural Institute of Ferrous Metals, and Institute of Metal Physics of the Ural Branch of the Academy of Sciences USSR)

Card 2/2

VOL'KHIN, V.V.; KUBAREVA, A.G.

Effect of freezing on the properties of hydrated sulfide pre-  
cipitates. Izv. vys. ucheb. zav., khim i khim. tekhn. 7 no.5:  
725-730 '64 (MIRA 18:1)

1. Kafedra obshchey i neorganicheskoy khimii Permskogo poli-  
tekhnicheskogo instituta.

KUBARINA, A.P.

PERROTTE, Aleksandra Alekandrovna; KUBARINA, A.P., red.; SMIENOVA, M.I.,  
tekhn. red.

[Nature study in Russian language classes in the first and second  
grades] Izuchenie prirody na urokakh russkogo iazyka v I i II  
klassakh. Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSPSR,  
1958. 143 p.

(MIRA 11:7)

(Nature study)

39458

27.1220

S/244/62/021/002/001/001  
I016/I216

AUTHOR. Kubareva, M. M.

TITLE: Effect of X-irradiation on the metabolism of thiamine (Vitamin B<sub>1</sub>)

PERIODICAL: Voprosy pitaniya, v. 21, no. 2, 1962, 76-80

TEXT: The effect of total-body X-irradiation in a dose of 800 r on the blood and urine levels of thiamine in rabbits and on the weight and general conditions of the animals was investigated. Irradiation caused a decrease in the thiamine concentration in the blood and urine, persisting for about 60 days after irradiation. Subcutaneous injection of thiamine (1.5mg/kg) did not exert any beneficial influence on the development of radiation sickness. However, administration of thiamine per os (0.83 mg/kg) before and after irradiation alleviated the radiation injury. There are 3 tables.

ASSOCIATION: Biokhimicheskaya Laboratoriya (zav. — kandidat meditsinskikh nauk K. M. Malenkova)  
Nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta Ministerstva zdravookhraneniya RSFSR (The Biochemical Laboratory (dir. — K. M. Malenkov, deceased, Candidate of Medical Sciences) X-ray-Radiological Research Institute, Ministry of Health RSFSR) Moscow

SUBMITTED: December 7, 1960

Card 1/1

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KUBAREVA, M.M.; FIL'KOVA, Ye.K.

Blood proteins and riboflavin metabolism in patients with malignant neoplasms during radiotherapy. Med. rad. 8 no.6:15-19 Ja '63.  
(MIR 17:4)

1. Iz biokhimicheskoy laboratori (rakovedstvi) - prof. I.B. Fridlyand)  
I rentgeneticheskogo otdela ('uk-veiteli' I.I. Lernerlegin)  
Nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta  
Ministerstva zdravookhraneniya RSFSR.

KUBAREVA, M.M.

Effect of X-ray irradiation on riboflavin metabolism. Vop. pit.  
22 no.4:19-25 Jl-Ag '63.

(MIRA 17:10)

1. Iz biokhimicheskoy laboratorii (zav. - kand. med. nauk K.M. Malenkova [deceased]) Gosudarstvennogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta Ministerstva zdravookhraneniya RSFSR, Moskva.

FRIDLYAND, I.B. (Moskva); GINZBURG, M.B. (Moskva); KUBAREVA, N.N. (Moskva);  
SYROMYATNIKOVA, Ye.N. (Moskva)

Effect of ionizing radiation and transplantation of sarcoma  
tumors "45" an. "M-1" on metabolism in experimental animals. Trudy  
TSentr. nauch.-issl. inst. rentg. i rad. 11 no.1:47-52 '64.  
(MIRA 18:11)

L 14754-53 EWT(1)/EWT(m)/BDS AMD/AMFTC/ASD AR/K  
ACCESSION NR: AP3003643 8/02/44/63/022/004/0019/0025

AUTHOR: Kubareva, M. M.

56  
54

TITLE: Effect of X-radiation on riboflavin metabolism

SOURCE: Voprosy pitaniya, v. 22, no. 4, 1963, 19-25

TOPIC TAGS: X-radiation, riboflavin metabolism, radiation sickness, blood

ABSTRACT: Earlier investigations have shown that X-irradiation affects vitamin metabolism, that X-irradiation sensitive animals can accumulate free riboflavin when supplementary amounts are introduced, and that riboflavin prolongs the lives of irradiated animals. The purpose of this study is to determine more precisely the extent and duration of riboflavin metabolism disturbance and to determine the prophylactic and therapeutic value of riboflavin. A control group and an experimental group of rabbits were used. The experimental group was given .24 mg of riboflavin (.08 mg/kg) for 7 days prior to irradiation and 60 days after. Animals were irradiated with a single total dose of 800 r X-irradiation by a "Stabilivolt" unit (25 r/min).

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ACCESSION NR: AP3003643

Riboflavin in the blood and urine, blood protein composition, and body weight were checked before irradiation and 2, 7, 14, 30, 60, and 90 days after. Results were checked against the control group. 9 to 12 days after irradiation the control group displayed typical radiation sickness symptoms. The other group which had received supplementary riboflavin displayed less serious radiation sickness symptoms. In the first week after irradiation, average body weight loss for the control group was 6% and for the experimental group only 2%. Greater shifts in blood proteins fractions were observed for the control group than for the experimental group. 2 days after irradiation the riboflavin content of the blood for the control group was reduced by approximately 50% and for the experimental group it was reduced by 30%. 14 and 30 days after irradiation, excessive excretion of riboflavin together with urine was observed. In the experimental group starting with the 7th day after irradiation the body gradually began to assimilate riboflavin. Lack of excessive riboflavin secretion with the urine may indicate that riboflavin protein complexes remain unharmed, which concurs with the analysis of blood serum protein fractions for this group. It is possible that an organism protected by riboflavin can help regenerate amino acids and protein

Cord. 2/3

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ACCESSION NR: AP3003643

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synthesis and to restore enzyme systems related to riboflavin, which may account for less serious radiation sickness symptoms in the experimental group. Supplementary riboflavin does increase radiation resistance. Orig. art. has: 1 figure and 2 tables.

ASSOCIATION: Biokhimicheskaya laboratoriya, Gosudarstvennogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta, Ministerstva zdravookhraneniya RSFSR, Moscow (Biochemical Laboratory, Director V.K. M. Malenkova, Deceased Candidate of Medical Sciences", State Scientific Research X-ray Radiological Institute, Ministry of Health RSFSR)

SUBMITTED: 08Mar61 DATE ACQ: 05Aug63 ENCL: 00  
SUB CODE: AM NO REF Sov: 006 OTHER: 003

Card 3/3

KOLONINA, N.P.; KUBAREVA, N.I.; IPATOVA, G.N.

Ion exchange method of removing copper from nickel and cobalt chloride electrolytes. TSvet. mat. 38 no.9:43-44 S '65.  
(MIRA 18:12)

TYAGUNOVA, Z.A.; KUBAREVA, Ye.A.; GLAZMAN, R.A.

Adoption of the continuous neutralization of hydrolyzates at the Krasnodar Hydrolysis Plant. Gidroliz.i lesokhim.prom. 12 no.2:15-17 '59.

(MIRA 12:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrolyznoy i sul'fitno-spirtovoy promyshlennosti (for Tyagunova, Kubareva). 2. Krasnodarskiy gidrolyznyy zavod (for Glazman).

(Krasnodar--Hydrolysis)

KUBARIKOV, P.G., kand. med. nauk

Roentgenological picture of injuries of the kidneys and ureters occurring during retrograde pyelography. Vestn. rentgen. i radiol. 38 no.4:77-78 Jl-Ag'63 (MIRA 17:2)

1. Iz gospital'noy khirurgicheskoy kliniki (zav. - prof. S.Yu. Minkin) Permskogo meditsinskogo instituta i Permskoy oblastnoy klinicheskoy bol'nitsy (glavnnyy vrach V.V.Fleshkov).

KUBARIKOV, P.G.; ZAPOL'SKAYA, G.I.

Characteristics of the clinical course of nephrolithiasis in  
children. Pediatrichia 42 no.3: 38-41 Mr'63 (NIR 17:2)

1. Iz gosпит'noy khirurgičeskoy kliniki (zav. - prof.  
S.Yu. Minkin) Permskogo med-tsirkul'nogo instituta i Permskoy  
oblastnoy klinicheskoy bol'nitay (glavnyy vrach V.V.Pleshkov).

KUBARIKOV, P. G., kand. med. nauk

Spontaneous rupture of a dystopic hydronephrotic kidney with  
perforation into the abdominal cavity. Urologia no.6:56-57  
'61. (MIRA 15:4)

1. Is gospital'noy khirurgicheskoy kliniki (zav. - prof. S. Yu.  
Minkin) Permskogo meditsinskogo instituta i urologicheskogo  
otdeleniya Permskoy oblastnoy klinicheskoy bol'nitsy.

(KIDNEYS—ABNORMALITIES AND DEFORMITIES)

KUBARIKOV, P.G., Cand. med. nauk

Transcutaneous antegrade pyelography. Sov. med. 27 no.6:90-93  
Je '64. (MIRA 18:1)

1. Gospital'naya khirurgicheskaya klinika (zav. - prof. S.Yu.  
Minkin) Permskogo meditsinskogo instituta i Permskoy oblastnoy  
klinicheskoy bol'nitsy (glavnnyy vrach V.V. Pleshkov).

FUBARKIN, LEONTIJ VLADIMIROVICH

Putevoditel' po radio na 1935 god. [The guide over the ether for 1935 (Radio stations)] / Moskva, [Radioizdat, 1935]. 12 p. illus., maps (part fold.).  
DLC: TK6555.K8

SO: Soviet Transportation and Communications, A Bibliography. Library of Congress,  
Reference Department, Washington, 1952, Unclassified.

Name: KUBARKIN, L.V.  
Title: engineer

Author of book, "Regulating and Tuning Receivers." Some of the topics covered are as follows: tuning receivers (direct amplification), voltage measurement, circuits tuned to resonance, control of feedback, elimination of self-excitation, etc. This book is particularly designed for radio amateurs.

REF: R. F. #17,18, p.94, 1938

PA 20779

KUBARKIN, L. V.

1946  
USSR/Radio Receivers  
Detectors, Crystal

"Detector Receiver," L. V. Kubarkin, 4 pp

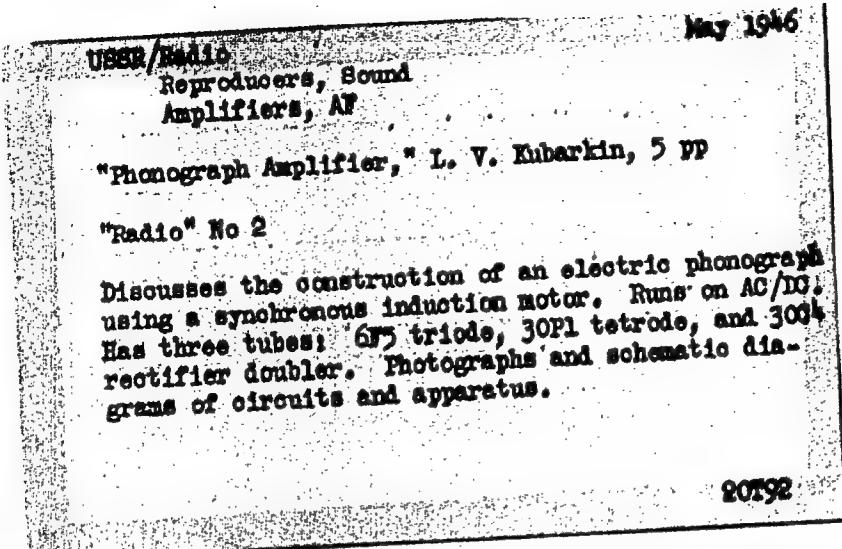
"Radio" No 1

Discussion of a simple crystal set.

20779

RA 20T92

KUBARKIN, L. V.



KUBARKIN, L. V. and ENYUTIN, V. V.

"How to Build Receiving Detectors," publ. by State Publ. House for Power  
Engineering, Moscow-Leningrad, 1948

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000827010013-9

KUBARKIN, L. and YETYUTIN, V.

"How to Build a Crystal Receiver" (Kak postroit' detektornyy priyemnik), Latvian  
State Publishing House, 1949, 40pp. (In Latvian)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000827010013-9"

KUBARKIN, L.

"Long range" television, Znan. gil no.11:6 N '53. (MLRA 6:11)  
(Television--Transmitters and transmission)

KUBARKIN, L.V.

ALEKSEYEV, S.P., zasluzhenny artist RSFSR; KUBARKIN, L.V., inzhener;  
LOSEVA, A.A., inzhener; ISLANKINA, T.F. redaktor; DIMITRIYEVA, R.V.,  
tekhnicheskiy redaktor.

[The transmission of television programs] Kak provoditsia tele-  
vizionnaya perevodchi. Moskva, Izd-vo "Znanie," 1954. 48 p. (Vseso-  
viosoe obshchestvo po rasprostraneniu politicheskikh i nauchnykh  
znanii, Ser. 4, nos. 34, 35) (MLRA 7:12)  
(Television broadcasting)

KOKORIN, Lev Maksimovich; KUBARKIN, L.V., redaktor; USHOMIRSKAYA, M.M.,  
redaktor; LINDENVA, N.V., tekhnicheskiy redaktor

[Village amateur radio operator's manual] V pomoshch' sel'skomu  
radioliubiteliu. Izd. 2-oe, perer. i dop. Moskva, Gos.izd-vo lit-  
ry po voprosam sviazi i radio, 1955. 110 p. (MLRA 9:3)  
(Radio--Receivers and reception)

KUBARKIN, Leontiy Vladimirovich; GRIGOR'YEVA, A.I., redaktor; KARYAKINA,  
A.B., zhurnalisticheskiy redaktor

[What is radio?] Chto takoe radio. Moskva, Izd-vo DOSAAF, 1956.  
21 p. (MLRA 10:2)  
(Radio)

KUBARKIN, Leontiy Vladimirovich

KUBARKIN, Leontiy Vladimirovich; VASIL'YEV, A.A., redaktor; GERASIMOVA, V.N.,  
tekhnicheskii redaktor

[Radio amateur's shop] Masterskais radioliubitelia. Moskva, Izd-vo  
DOSAAF, 1956. 31 p.  
(Radio--apparatus and supplies)

KUBARKIN, Leontiy Vladimirovich; BERG, A.I., redaktor; DZHIGIT, I.S., redaktor;  
KULIKOVSKIY, A.A., redaktor; SMIRNOV, A.D., redaktor; TARASOV, F.I.,  
redaktor; TRAMM, B.F., redaktor; CHECHIK, P.O., redaktor; SHAMSHUR, V.I.  
redaktor; GINZBURG, Z.B., redaktor; LARIONOV, G.Ye., tekhnicheskiy redaktor

[Radio circuit primer] Azbuka radioskhem. Moskva, Gos. energ. izd-vo,  
1956, 63 p. (Massovaya radiobiblioteka, no.259) (MLRA 10:5)  
(Radio circuits)

KUBARKIN, Leontiy Vladimirovich; IMVITIN, Yefim Alekseyevich; KULIKOVSKIY,  
A.A., redaktor; VORONIN, K.P., tekhnicheskij redaktor

[Radio engineering made interesting] Zanimatel'naia radiotekhnika.  
Moskva, Gos. energ. izd-vo, 1956. 263 p. (Massovaja radiobiblioteka,  
no. 249) (MLRA 9:11)  
(Radio)

KUBARKIN, Leontiy Vladimirovich; SAMOYLOV, G.P., otvetstvennyy redaktor;  
GALOYAN, N.A., redaktor; BERESLAVSKAYA, L.Sh., tekhnicheskiy  
redaktor

[How to operate a television set] Kak pol'sovat'sia televizorem.  
Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1957. 70 p.  
(MIRA 10:9)

(Television--Receivers and reception)

KUBARKIN, L.

107-57-5-37/63

AUTHOR: L. Kubarkin

TITLE: A Talk with a TV Set (Razgovor s televizorom)

PERIODICAL: Radio, 1957, Nr 5, back page of the insert (USSR)

ABSTRACT: An entertainment for school children was organized at the Moscow Poly-  
technic Museum. An audience could talk to a tv set and have it replied.  
The mobile "PTS-52" tv station was used in combination with the "SKRU-100"  
loudspeaker.

Three figures in the article.

AVAILABLE: Library of Congress

Card 1/1

PHASE I BOOK EXPLOITATION

SOV/5205

Kubarkin, Leontiy Vladimirovich

Nevidimye razvedchiki; radiolokatsiya (Invisible Reconnaissance Scouts; Radar) Moscow, Izd-vo "Znaniye", 1959. 37 p. 40,000 copies printed. (Series: Politekhnicheskaya bibliotekha dlya molodezhi, no. 20)

Sponsoring Agency: Vsesoyuznoye obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znanii.

Ed.: A. A. Balayev; Tech. Ed.: L. Ye. Atroshchenko.

PURPOSE: This booklet is intended for general readers and young people.

COVERAGE: The author describes the development of radar, principles of its operation, radar station equipment, and the use of radar in various fields of modern life. Supersonic waves and their applications are also discussed. No personalities are mentioned.

Card 1/4

KUBARKIN, Leontiy Vladimirovich; LEVITIN, Yefim Alekseyevich;  
KRIVITSKIY, B.Kh., red.; LARIONOV, G.Ye., tekhn. red.

[Recreational radio engineering] Zanimatel'naja radiotekhnika. Izd.2., perer. i dop. Moskva, Gosenergoizdat, 1962.  
263 p. (Massovaja radiobiblioteka, no.454) (MIRA 15:10)  
(Radio)

KUBARKIN, Leontiy Vladimirovich; LEVITIN, Yefim Alekseyevich;  
BURILAND, V.A., red.

[Recreational radio engineering] Zanimatel'naia radio-  
tekhnika. Izd.3., perer. i dop. Moskva, Energiia,  
1964. 279 p. (Massovaia radiobiblioteka no.549)  
(MIRA 17:12)

KUBARKIN, Leontiy Vladimirovich

[You have purchased a television receiver] Vy kupili  
televizor. Izd. 2., dop. Moskva, Sviaz', 1965. (Biblio-  
teka "Televiziomyi priem" no.23) (MIRA 18:11)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000827010013-9

KUBARKIN, Leontiy Vladimirovich; GINKIN, G.G., red.

[Story about radioelectronics] Rasskaz o radioelektronike.  
Moskva, Energiia, 1965. 256 p. (MIRA 19:1)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000827010013-9"

LEVITIN, Yefim Alekseyevich; LEVITIN, Leonid Yefimovich; KUBARKINA,  
L.V., red.; BURLYAND, V.A., red.; BUL'DAYEV, N.A., tekhn.  
red.

[Electron tubes] Elektronnye lampy. Izd.3., perer. i dop.  
Pod red. L.V.Kubarkina. Moskva, Izd-vo "Energiia," 1964.  
127 p. (Massovaia radiobiblioteka, no.507) (MIRA 17:3)

PA 63/49T6

KUBARZINA, M. V.

USSR/Chemistry - Acetylene  
Chemistry - Hydrogen Cyanide

Jul/Aug 49

"Acetylene Derivatives, No 93, Addition of Hydro-  
gen Cyanide to Allylisopropenylketone," I. N.  
Nazarov, M. V. Kubarzina, Inst of Org Chem, Acad  
Sci USSR, 4<sup>1</sup> pp

"Iz Ak Nauk SSSR, Otdel Khim Nauk" No 4

In this reaction hydrogen cyanide can unite with  
both double bonds of the ketone forming two unsat-  
urated ketonitriles and a ketodinitrile, herein  
described. Submitted 20 Mar 48.

63/49T6

USSR / Farm Animals. Swine.

5-4

Abs Jour : Ref Zhur - Biol., No 18, 1958, No 64493

Author : Kubas', I. P.

Inst : Not given

Title : The Control Fattening of Pigs as a Method for the Improvement of Breeding Work.

Orig Pub : Sovkhoznoye proiz-vo, 1957, No. 11, 59-62

Abstract : The control fattening of swine permits to pick out from the herd the early specimens, to repeat the successful coupling of sows and boars, and to match pairs of animals, the parents of which, checked for earliness, produced best results as to meat qualities and feed conversion.

Card 1/1

37

KUBAS, J.

Conditions of modernizing the contractor's work and of  
developing prefabrication for industrial installations. p. 225.  
PRZEGLAD BUDOWLANY, Warszawa. Vol. 28, no. 6, June 1956.

SOURCE:

East European Accession List (EEAL) Library of Congress  
Vol. 5, no. 8, August 1956.

KUBAS, S.

"Preparing soil and seeding the sugar beet." p. 6  
(Plon, Vol 4 No 4 Apr 53, Warszawa)

SO: Monthly List of East European Acquisitions, Vol 2 No 9 Library of Congress Sept 53 Unol

KUBAS, STANISLAW

"523(i.e. Piecset dwadziescia trzy) kwintale ziemniakow z hektara w PGR  
Perkuny. (Wyd.1.) Warszawa, Panstwowe Wydawn. Rolnicze i Lesne, 1956.  
23 p. (523 quintals of potatoes from one hectare at the Perkuny State  
Farm. 1st ed.)."

DA

Not in DLC

SO: Monthly Index of East European Accessions (E&AI) LC. Vol. 7, no. 4,  
April 1958

KUBAS, STANISLAW

Jak uprawiac buraki cukrowe. Wyd. 2., rozsz. Warszawa, ianstwowe Wydawn  
Rolnicze i Lesne, 1956. 45p. (Materiały pomocnicze do masowego szkolenia rolniczego)  
How to grow sugar beets. 2ed., enl.

DA

Not in ELC

SO: Monthly List of East European Accessions (EEAL) L0. Vol. 6, No. 10, October 1957. Unclassified.

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000827010013-9

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000827010013-9"

KUBAS, Zdzislaw

Thermodynamics and kinetics of the decomposition reaction of  
calcium carbonate. Archiw hutn. no. 3:269-287 '64.

1. Department of Physical Chemistry of Iron Metallurgy, School  
of Mining and Metallurgy, Krakow.

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000827010013-9

SECRET

U.S. Security Interest in Korean partition agreed. (able to meet at 6 p.m. and  
possibly in the afternoon.)

1,125 "Security Council, Vol. 1, No. 2, APR., 1948, pp. 10-11, 1948."

Security Interest of Post Korean Occupation (KPA) 10, Vol. 1, No. 1, 1949

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000827010013-9"

KUBASAK, E.

Hauling timber to cable railways and other transportation means.  
p. 771. SBORNIK, RADA LESNICTVI. Praha. Vol. 28, no. 5, Oct..1955

SOURCE: East European Accessions List (EEAL) Library of Congress  
Vol 5, No. 7, July 1956.

KUBASAK, E.

"Experiences from a visit to forest enterprises in Sweden."

p. 362 (Les) Vol. 12, no. 7/8, July/Aug..1956  
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

... KUBASAK, Emil, inz.

Mechanization of thin timber handling. Les cas 9 no.9:  
827-838 S'63.

1. Vyakunny ustav lesneho hospodarstva, Banska Stiavnica,  
Vyskumna stanica Oravsky Podzamok.

KUBASCHEWSKI, O.

ca.

The processes of exchange of positions of the atoms in solid substances. Oswald Kubaschewski. *Ber. Bunsen-forsch. Ges. Freiburg i. Br.*, 35, 102-10; *Chem. Zentralbl.*, II, 4-6.—These processes were studied in solid salts by detg. the manner in which the cond. changes with change in the vapor pressure of the neg. component and by data of transference nos., in metallic systems by transference measurements in solid salts, and by radioactive methods, and in glasses by gravimetric studies of diffusion. The ratio of the cond. of  $\text{Ph}_3$  to the I pressure was detd. at various temps. and found to increase with increasing I pressure. Transference measurements were made on var-

bonded Fe wires ( $1070^\circ$ , 20-35 amp., 8-24 hrs. at a high vacuum). Stacking tests and cond. measurements on the individual sections showed that under the influence of the arc, current the C had migrated toward the cathode. The diffusion const. was  $8.8 \times 10^{-6} \text{ cm./day}$ . Comparison of the mobility obtained for the C atom ( $3.2 \times 10^{-6}$  or  $1.6 \times 10^{-6} \text{ cm.^2 sec.}^{-1}$ ) with that calcd. by the Nernst formula for a univalent atom ( $0.8 \times 10^{-6} \text{ cm.^2 sec.}^{-1}$ ) indicates that the C atom must be assumed to be at least bivalent. Expts. on the diffusion of Ag, Cu and Au into Na glass showed that the Ag diffused 25 times more rapidly than Cu whereas the Au scarcely diffused at all. The diffusion Ag/glass (70%  $\text{SiO}_2$ , 17%  $\text{Na}_2\text{O}$ , 12%  $\text{ZnO}$ ) in relation to the  $\text{O}_2$  pressure at  $540^\circ$  was studied. No diffusion occurred in a high vacuum. At a const.  $\text{O}_2$  pressure the amt. of Ag taken up was proportional to the square root of the time (from 0 to 24 hrs.). The const.  $\text{Ag}/\text{glass}$  (for glass 0.017 cm. thick after 100 hrs.) was  $0.056 \text{ g. Ag per cc. of glass}$ . For  $\text{O}_2$  pressures between 1.6 and 150 mm. Hg, the amt. of Ag diffused decreased at first slowly and then rapidly at pressures below 30 mm. Hg. Since an amt. of  $\text{O}_2$  equiv. to the Ag took part in the reaction, it could not have been at. Ag that diffused. At pressures above 200 mm. Hg the migration of the Ag varied with the diffusion velocity Ag/glass. Below this pressure only as many Ag ions diffused into the glass as corresponded to the dissolved  $\text{O}_2$  in the Ag layer available to bind the Na atoms and the electrons liberated by the Ag atoms. Analogous results were obtained in expts. on potash glass, the diffusion velocity of the Ag being less than for Na glass.

M. O. Moore

**APPENDIX METALLURGICAL LITERATURE CLASSIFICATION**

EBCDIC DATAFORMAT										EBCDIC DATAFORMAT										EBCDIC GEN. DEF. GEN.									
EBCDIC STROWBANK					EBCDIC MAP DEF. GEN.					EBCDIC GEN. DEF. GEN.					EBCDIC GEN. DEF. GEN.					EBCDIC GEN. DEF. GEN.					EBCDIC GEN. DEF. GEN.				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	0	1	2	3	4	5	6	7	8	9	

3

Activity of Lead. II. Vapour Pressure of  
Mg over its Binary Alloys with Antimony and  
Bismuth. E. A. Vold et al. O. Kutscherow, D. Kirchner,  
1939, 67, 11, 213-218. C. R. and van der Pol, Tijds.  
Fysica Sci. 1943, 43, 14; J. M. L. 17, 643. Vapour pres.  
of Mg over its binary molten alloys with Sb and Bi were  
measured by the transpiration method. The pressure  
was determined from the equilibrium between the  
vapour phase and the liquid phase. The activity of Mg  
in the melt was calculated with the Raoult's law. The  
activity of Mg in the melt was plotted against the mole  
fraction of Mg. The partial pressure of Mg was plotted  
against the mole fraction of Mg. The partial pressure of  
Mg at the vapor temp. 1000. Wm. the dep. of the  
coeff. of activity, the heats and entropies of mixing were  
calculated. The values of partial molar and integral heats  
and entropies of mixing plotted against mole fraction of Mg  
show large deviations from ideality due to strong polar  
bonding forces and the existence of  $Mg^{+2}$  and  $Sb^{+3}$  ions  
in the molten alloy. - S. N. I.

2f ① f

1064515, 11.

*Excerpta Medica Sec. 6 Internal Medicine Vol. 9/5 May 55*

2939. KUBÁSEK M. \*Queenglandska horečka v Československu. Q fever in  
Czechoslovakia ČAS. LÉK. ČES. 1954, 93/18 (474-475) Tables 1/illus. 10  
The first recognized epidemic of Q fever in Czechoslovakia is described. The epidemic involved 14 persons within 4 days. A month later 4 other persons were infected. The epidemic was limited to a State farm in a small village. Seventeen of the patients were employed on the farm and the last patient was the doctor. Ten cases developed a form of atypical pneumonia, one of meningitis and the last 7 of influenza. The localization of the foci was atypical, regardless of the septa or the lobes of the lung. The author compares the type of inflammatory changes in the lung to the clinical picture of tb. In the discussion the clinical and epidemiological differential diagnosis is considered.

Pospíšil - Brno (XX, 6, 4)

RASKA, K.; ALDOVA, E.; KUBASEK, M.; SURYCHK, L.; HAVLIK, O.; MANYCH, J.;  
SAMA, B.

Q fever. 1 Report on the first epidemics in Czechoslovakia. Cas.  
lek. cesk. 93 no.42:1153-1155 15 Oct 54.

1. Z Ustavu epidemiologie a mikrobiologie v Praze.  
(Q FEVER, epidemiology  
in Czech.)

KUBASEK, Milos, MUDr.

Q fever, a new occupational disease. Pracovni lek. 8 no. 1:  
24-28 Jan 56.

(Q FEVER,  
occup. (Czech))

(OCCUPATIONAL DISEASES,  
Q fever (Czech))

CZECHOSLOVAKIA/Diseases of Farm Animals - Diseases Caused by  
Viruses and Rickettsiae.

R-3

Abs Jour : Ref Zhur - Biol., No 14, 1958, 64667

Author : Kubasok, Milos; Strauss, Juraj

Inst :

Title : On the Epidemic and Epizootic of Ornithosis in one of the  
Districts of Czechoslovakia.

Orig Pub : Prakt. lekar, 1957, 37, No 14, 636-639.

Abstract : No abstract.

Card 1/1

- 22 -

KUBASEK, Milos

A small epidemic of Q fever. Contribution to the problem of the origin  
of enzootic foci. Cesk. epidem. 10 no.6:411-416 N '61.

1. Okresni hygienicko-epidemiologicka stanice a Okresni ustav nar.  
zdravi v Slanem.

( Q FEVER epidemiol)

KUBASEK, M. Spolupracovali: HRICH, V.; STANKOVA, E.

Farmer's lung—a mass outbreak. Cas. lek. cesk. 103 no. 25:  
701-704 19 Je'64

1. CUNZ Kladno, nemocnice a polikliniku Slany (roditel: MUDr.  
M. Kubasek) a Okresni hyg. epidemiol. stanice Kladno (okresni  
hygienik: MUDr. A. Wokounova).

KUBASHEV, B. M.

3

3.6-14

Kubashev, B. M. *Novye dannye o meteorologicheskikh usloviyakh na Marse. [New data on meteorological conditions on Mars.]* Priroda, Moscow, 6(1):46-48, Jan. 1951. 2 figs., 3 tabs. DLC. The author describes the techniques for observing W radiation and thermal conditions on Mars and analyzes the charts constructed by S. I. Il'inskii (idem No. 5-9) in May 1950. Meteorological (charts) of pressure and temperature distribution on the surface of Mars. Subject Headings: 1. Planetary atmosphere. 2. Mars. CR

W get

KUBASHEVSKAYA, O.V. insh.

Use of noncontact relays in telegraphy; shortcomings of telegraphic  
transmitting-receiving systems. Trudy TELIZHT 25:257-266 '58.  
(MIRA 13:10)

(Telegraph)

KUBASIAK, J.

A layout for the inby signaling in a hydromechanical section. p.143.

(PRZEGLAD GORMICZY. Vol. 13, No. 3, Mar. 1957. Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 10, October 1957. Uncl.

RUBAKOW, J.; IUDEN, W.; CZIMCZEKI, Z.

"Machine for Testing the Braking of Electric Mine Locomotives", P. 376,  
(PIĘCIOLAT GÓRNIÓZY, Vol. 10, No. 11, November 1954, Stalindrog, Poland)

SC: Monthly List of East European Acquisitions (EUA), 1C, Vol. 4, N°. 1,  
March 1955, Uncl.

BOKONYI, Sandor; KUBASIEWICZ, Marian

Neolithic animals of Poland and Hungary in excavations. Pt. 1. Domestic cattle: Szczecinskie Towarzystwo Naukowe (Prace) Przyrodniczo-Rolnicze 8 no.1:1-92 '61

Kirchner Julian

Material for a bibliography of animal fossils. Pt.1. Prece  
przyred wols Szczecin 19 no.1 '62.

KUBASIK, Marian, MGT inz.

Electric lute type ventilators. Wiad elektrotechn 18 m.2-44 F '58.

KUBASOV, A.

Fourth session of the Academy of Construction and Architecture  
of the U.S.S.R. Avt. dor. 21 no. 7:32- 3 of cover Jl '58.  
(MIRA 11:8)  
(Moscow--Precast concrete--Congresses)

KURASIEWICZ, Marian

Materials for a bibliography on fossils of animals. pt. 2.  
Prace przyrod roln Szczecin 13 no.2:1-47 '64.

KUBASOV, A., general-major; GAVRIKOV, F., polkovnik.

Teaching regulations to young soldiers; advice to subechelon  
commanders. Voen.vest. 36 no.11:10-18 N '56. (MLRA 10:2)

(Military education) (Russia--Army--Regulations)

~~CONFIDENTIAL~~  
KUBASOV, A., general-major; GAVRIKOV, F., polkovnik

Advices in training young soldiers. Voen.vest. 37 no.10:54-58  
O '57. (MIRA 10:12)  
(Military education)

KUBASOV, A., general-leytenant

Creative application of the principles of military regulations in  
battle. Voen.vest. no.9:25-30 S '60. (MIRA 14:7)  
(Attack and defense (Military science))

KUBASOV, A., general-leytenant

Battle in the depth of the enemy's defenses. Voen.-vest.  
40 no.4:16-21 Ap '61. (MIRA 14:?)  
(Attack and defense(Military science))

SMIRNOVA, I.V.; KUBASOV, A.A.; TOPCHIYEVA, K.V.

Heat of wetting aluminum oxides by benzene, cyclohexane, and  
cyclohexene solutions in n-heptane. Dokl. AN SSSR 139 no.1:  
150-153 Jl '61. (MIRA 14:7)

1. Moskovskiy gosudarstvennyy universitet im. M,V. Lomonosova,  
(Aluminum oxide) (Heat of wetting)

SMIRNOVA, I.V.; TOPCHIEVA, K.V.; KUBASOV, A.A.; SAVCHENKO, L.V.

Adsorption of methylcyclohexene from solutions at elevated temperature. Dokl. AN SSSR 147 no.3:660-662 N '62. (MIRA 15:12)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.  
Predstavлено akademikom P.I. Rebinderom.  
(Cyclohexene) (Adsorption)

TOPCHIYEVA, K. V.; SMIRNOVA, I. V.; KUBASOV, A. A.

"Concerning the mechanism of cyclene isomerization over alumina."

report submitted to 3rd Intl Cong on Catalysis, Amsterdam, 20-25 Jul 64.

Moscow State Univ im Lomonosov.

KUBASOV, A.A.; SMIRNOVA, I.V.; TOPCHIYEVA, K.V.

Gas chromatographic determination of the heats of adsorption  
of hydrocarbons on aluminum oxide. Kin. i kat. 5 no.3:520-525  
My-Je '64. (MIRA 17:11)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova,  
khimicheskiy fakul'tet.

SMIRNOVA, I.V.; KUBASOV, A.A.; BYULOV, Martin; TOPCHIYEVA, E.V.

Heats of wetting of aluminum oxide by solutions of methylcyclohexenes in n-heptane. Dokl. AN SSSR 160 no.1:170-173 Ja '65.  
(MIRA 18:2)

1. Moskovskiy gosudarstvennyy universitet. Submitted July 2, 1964.

BARABANSHCHIKOV, A.V., podpolkovnik, kand. pedag. nauk; GALKIN, M.I., polkovnik, kand. fil. nauk; D'YACHENKO, M.I., podpolkovnik, kand.ped.nauk,dots.; KOTOV, N.F., polkovnik,kand. ped.nauk; KOROKEYNIKOV, M.P., polkovnik, kand.ped.nauk; KILAVCHUN, N.B., kapitan 2 ranga, kandi.ped.nauk, dots.; LUTSKOV, V.N., kand. ped. nauk, podpolkovnik; FEDENKO, N.F., kapitan, kand. ped. nauk, dots.; SHELYAG, V.V., kapitan 1 ranga, kand. fil.nauk; VOSTOKOV, Ye.I., general-major, kandi. ist. nauk; KUBASOV, A.P., general-leytenant zapasa, red.; SELCUDOV, G.G., general-major, red.; TREFILOV, N.Y., kapitan 2 ranga, red.; MURASIROVA, L.A., takhn.red.

[Fundamentals of military pedagogy and psychology; a training aid] Osnovy voennoi pedagogiki i psichologii; uchobnoe posobie [By] A.V.Barabanshchikov i dr. Moskva, Voenizdat, 1964. 383 p.  
(MIRA 17:2)

KUBASOV, A.S.

Supply engineers with good road and bridge designs. Avt.dor.  
18 no.2:9-10 Mr-Ap '55. (MLB 8:6)

1. Nachal'nik Soyuzdorproyekta.  
(Road construction)

KUBASOV, A.S.; MOROZ, I.P.

Modern techniques of surveying and designing. Avt.dor.20  
no.10:21-23 0 '57. (MIRA 10:12)

1. Nachal'nik Soyuzdorprojekta (for Kubasov). 2. Glavnnyy  
inshener Soyuzdorprojekta (for Moroz).  
(Roads--Design)

KUBASOV, A.S.

Industrial and technical councils introduce new technical ideas.  
Avt.dor. 21 no.10:5 O '58. (MIRA 11:11)

1. Zamestitel' predsedatelya Tekhnicheskogo soveta Glavdorstroya  
SSSR.  
(Road construction)

GERMAN, M.N.; KUBASOV, O.M., red.; SAYTANIDI, L.D., tekhn.red.

[Experience in changing contract conditions between machine-tractor stations and collective farms; experience of the Vygonichi Machine-Tractor Station and the "Leninskii Put'" Collective Farm in Bryansk Province] Iz oputa nekotorykh izmenenii dogovornykh otnoshenii MTS s kolkzami; opyt Vygonicheskoi MTS s kolkhozom "Leninskii put'" Bryanskoi oblasti. [Moskva, Izd-vo M-va sel' khoz. RSFSR, 1957]  
8 p. (MIRA 11:3)

1. Direktor Vygonicheskoy mashinno-traktornoy stantsii (for German)

(Bryansk Province--Machine-tractor stations)

(Bryansk Province--Collective farms)

KAPITANENKO, Nikolay Nikolayevich; TOMASHEVICH-TSEDIK, Z.P., kand.biolog.  
nauk, red.; KUBASOV, G.M., red.; LOGINOVA, Ya.I., tekhn.red.

[Society for the promotion of agriculture and forestry] Nauchno-  
tekhnicheskoe obshchestvo sel'skogo i lesnogo khoziaistva. Moskva,  
Izd-vo M-va sel's.khoz. RSFSR, 1958. 85 p. (MIRA 12:2)  
(Agricultural societies) (Forestry societies)

SMIRNOV, Ivan Vasil'yevich; KUBASOV, O.M., red.; SAYTANIDI, L.D.,  
tekhn.red.

[Harvest seeds of wild forage plants] Sobireite semena diko-  
raastushchikh kormovykh trav. Moskva, Izd-vo M-va sel'.khos.  
RSFSR, 1960. 24 p. (MIRA 14:1)  
(Forage plants)

KHOMENKO, G.I., prof.; KUBASOV, I.O.

Peculiarities in the clinical course of acute dysentery in recent  
years. Vrach.delo no.5:453-456 My '59. (MIRA 12:12)

1. Kafedra infektsionnykh bolezney (zav. - prof. G.I. Khomenko)  
Kiyevskogo instituta usovershenstvovaniya vrachey.  
(DYSENTERY)

KUBASOV, I.G.

Intermittent-cyclical use of synthomycin in typhoid fever. Vrach.  
delo no.4:104-106 Ap '61. (MIRA 14:6)

1. Kafedra infektsionnykh bolezney (zav. - prof. G.I. Khomenko)  
Kiyevskogo instituta usovershenstvovaniya vrachey.  
(TYPHOID FEVER) (CHLOROMYCETIN)

KUBASOV, N.I. (Sverdlovsk); SITNIKOV, S.I., dorozhnyy inspektor po  
marshrutizatsii (Sverdlovsk)

Efficient types of the organization of car flows from the loading  
points. Zhel.dor.transp. 14 no.4:56-60 Ap '62. (MIRA 15:4)

1. Olavnyy inzh. gruzovoy sluzhby Sverdlovskoy dorogi (for kubasov).  
(Railroads--Freight) (Railroads--Making up trains)

KUBASOV, N.V., assistant; STEPANOV, A.T., vetvach

Syringe combined with an illuminator. Zhivotnovodstvo 21 no.11:  
77-78 N 159 (MIRA 13:3)

1. Vitebskiy veterinarnyy institut.  
(Artificial insemination) (Syringes)

9.9816  
6.4300

24935

S/188/61/000/004/001/003  
B111/B209

AUTHORS: Semenov, A. A., Karpeyev, G. A., Kubasov, P. Ye., Filipp, N. D.  
TITLE: Investigation of the spatial correlation properties of the amplitude fluctuations in a USW field  
PERIODICAL: Moskovsky Universitet. Vestnik. Seriya III. Fizika, astronomiya, no. 4, 1961, 14-21

TEXT: The authors present the results of experimental measurements; they estimate the radii of the spatial coordinates and compare the spatial correlations of the field amplitude fluctuations with the temporal ones. The experimental setup was as follows: At one end of a 37-km long terrace two pulse emitters were mounted, the one displaying a power of 80 kw at a frequency of 3,000 Mc, operating with a repetition rate of 400 cps and a pulse length of 1  $\mu$  sec; the data of the second emitter are 65 kw, 9370 Mc, 577 cps, and 1  $\mu$  sec. The antennas were accomplished as parabolic rotary aerials having a diameter of 1.8 m and 0.7 m, respectively. The receivers were placed at the other end of the terrace and had two similar channels for each of the two frequencies. Each of the channels was a superheterodyne

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B111/B209

Investigation of the spatial ...

receiver with a band width of 3 Mc and a sensitivity of 3 db per 1 mw for  $f = 3000$  Mc, and of 70 db for  $f = 9370$  Mc. The distance of the receiver aerials was varied between 10 and 550 cm for  $\lambda = 10$  cm and between 4 and 200 cm for  $\lambda = 3.2$  cm. The fluctuations were divided into 1) slow and low fading, 2) relatively slow fading, and 3) quick fluctuations. Fig. 2 essentially shows the dependence of the fluctuation spectrum of a USW amplitude on the wind velocity on the terrace. The transverse correlations of the amplitude fluctuations in a horizontal plane were also studied. The records were taken at two points on a line perpendicular to the wave propagation. The results as shown in Fig. 3 correspond to an enhanced refraction and to a wind velocity of  $v \sim 1$  m/sec. It can be concluded from the results that the character of the spatial amplitude correlations depends not only on the conditions in the medium but also on the frequency. Moreover, the authors found that the radius of the transverse correlations of quick fluctuations on earth terraces after some tens of kilometers does not exceed the length of  $50-60\lambda$  in the case of normal refraction. In fluctuation studies in a turbulent medium, the following turbulence model is usually employed:  $\vec{v} = \vec{v}_0 + \vec{v}_1$ , where  $\vec{v}_0$  denotes the mean flow velocity,

Card 2/5